

12. (new) The method of Claim 10, the step of forming the outer surface layer comprising:

submitting the titanium-molybdenum to a phase of depassivation by non-reactive cold plasma by introducing an insert gas while progressively increasing temperature of the insert gas;

nitriding the submitted titanium-molybdenum by cold plasma by introducing a mixture of insert gas and nitrogen.

13. (new) The method of Claim 12, said insert gas being argon.

14. (new) The method of Claim 13, said step of nitriding comprising:

adapting the insert gas and nitrogen to a volume of the enclosure in which the nitriding occurs, the enclosure having sufficient nitrogen to cause implantation and sufficient argon to disassociate the nitrogen.

15. (new) The method of Claim 12, the phase of depassivation having a duration of approximately 45 minutes, the step of nitriding having a duration of approximately 200 minutes.

16. (new) The method of Claim 12, further comprising:

cooling the titanium-molybdenum wire subsequent to the step of nitriding.